PATENT APPLICATION

ATTORNEY DOCKET NO. 10003867-3

Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):

Xiao-An Zhang, et al.

Confirmation No.: N/A

Application No.: 10/618172

HEWLETT-PACKARD COMPANY

Examiner: N/A

Filing Date:

Title:

July 10, 2003

Group Art Unit: N/A

Electric-Field Actuated Chromogenic Materials Based on Molecules with a Rotating Middle Segment For Applications in Photonic Switching

Commissioner for Patents PO Box 1450

Alexandria, VA 22313-1450 INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

(x) under 37 CFR 1.97(b), or (Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

() under 37 CFR 1.97(c) together with either a:

() Statement under 37 CFR 1.97(e), or

() a \$180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

() under 37 CFR 1.97 (d) together with a:

() Statement under 37 CFR 1.97(e)(1) or (2), and

() a \$180.00 fee set forth in 37 CFR 1.17(p).

(Filed after final action, a notice of allowance, on or before payment of the issue fee)

. At any time during the Please charge to Deposit Account 08-2025 the sum of \$0.00 pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with (X) any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV419709163-3

Date of Deposit Jul 7, 2004

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner Patents, Alexandria, 22313-1450

Typed Name: L.D. Raphael

Respectfully submitted,

Xiao-An Zhang, et al.

David W. Collins

Attorney/Agent for Applicant(s)

Reg. No. 26857

Date: July 7, 2004

Telephone No.: (520) 399-3203

01PE

PATENT APPLICATION

Sheet 1 of 2

	V &.	6	
LIST OF PATENTS	. Ten		
LIST OF PATENTS	ANDATÚ	SMOUTH WATER	FOR
APPLICANT'S INFO	OPMATIO	N DISCLOSI	IRF

ATTY. DOCKET NO. APPLICATION NO. CONFIRMATION NO. 10003867-3: 10/618,172

APPLICANT

Xiao-An Zhang
FILING DATE GROUP

STATEMENT

(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

July 10, 2003

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2002/075557	20 June 2002	Zhang, Xiao-An et al	Fig 6,7 paragraphs 0042,0070 0126.
	1B	6,031,756	29 Feb 2000	Gimzewski, et al.	Fig 1, 5C, Col 2, Ln 55;col3,ln 43;Col 8,Ln 61;Col10,Ln 34;
v.	1C				Col 11, Ln 1-10, Col 12, Ln 17-32.
	1D				
	1E				
	1F				
	1G				
	1H				
	11				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L	EP 0 800 106	8 Oct 1997	Lucent Technologies	Col 4,Ln 18-47; Col 5,Ln 10-55; Col 6,Ln 20;Col7,Ln30;	
1M				Col 8, Ln 23-50. Figs 1,4-6,8,9	
1N					
10					
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1	Q	Kornilovitch, PE. et al: "Bistable Molecular Conductors with a Field-Switchable Dipole Group" Physical Review, B. Condensed Matter, Amer. Institute of Physics. New York, US, Vol. 66, No. 24, December 15, 2002, pp 245413-4, paragraph IV, figure 1.				
1	R	Ward, M.D., "Current Developments in Molecular Switches" Chemistry and Industry, Chemical Society. Letchworth, GB, No. 15, August 18, 1997, pp640-645, ISSN: 0009-3068, page 641, figure 1.				
1	S	·				
EXAMINER]		DATE CONSIDERED			

Rev 10/03 (PTO1449)

PATENT APPLICATION

Sheet2Cof 12

						T : :			
FORM PTO-1449			10003867-3	10/618,17		CONFIRMAT	ION NO		
LIST OF PATENTS AND PUBLICATIONS FOR			APPLICANT	10/616,17	2				
APPLICANT'S INFORMATION DISCLOSURE		Xiao-An Zhang							
STATEMENT			FILING DATE	GROUP	-				
(Use several sheets if necessary)			July 10, 2003						
REFERE	NCE D	ESIGNATION	U.S. PA	ATEN	T DOCUMENTS				
XAMINER		DOCUMENT NUMBER	PUBLICATION DATE		NAME			Lines Where r Figures App	
	1A								
	1B								
	1C								
	1D								
	1E			-					
	1F				× × × × × × × × × × × × × × × × × × ×				
	1G								
	1H			+					
	11								
	1J								Herri Carlo
	1K			_					
	IN						<u> </u>		
		DOCUMENT	PUBLICATION		AME OF PATENTEE OR APPLICANT	Pages/Colum Relevant Passag			Check if Translatio
	-	NUMBER	DATE		UR APPLICANT	Televant rassag		.007.15500.	attached
	1L								
	1M								
	1N								
	10								
	1P		<u> </u>						<u> </u>
		OTHER REFI	ERENCES (includi	ng Au	uthor, Title, Date, F	Pertinent Pages,	etc.)		
	1Q	I for Extensive (Charge Transfer in , US, Vol. 93, No 1	Twiste	d State Dipole Mome ed Nitrobenzine Syste ov 15, 1990, pp 708	ems". Journal of '	Chemic	ai Physics.	:e
	1R	Reed M.A., et al "Prospects for Molecular -Scale Devices", Electron Devices Meeting, 1999, IEDM Technical Digest Internat'I, Wash. D.C., USA 5-8 Dec, 1999, Piscataway, Nj USA IEEE, US 5 Dec 1999, pp 227-230, XP010372034, ISBN: 0-7803-5410-9 Whole Document.							
	18								
EXAM	INER				DATE CONSIDE	RED			

Rev 10/03 (PTO1449)